

# INTERNATIONAL SEARCH REPORT

International Application No

PC1/EP 97/04795

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 6 A01N57/20

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 6 A01N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 96 25043 A (CIBA GEIGY AG) 22 August 1996 see page 1, line 1 - page 4, line 2 see page 4, compound Ia see page 4, line 3 - line 5 ---	1-6, 13-16
P,X	WO 96 34528 A (DU PONT DE NEMOURS) 7 November 1996 see page 1, line 22 - page 2, line 26 see page 7, line 10 - line 25 ---	1-6, 13-16
X Y	WO 92 08353 A (HOECHST AG) 29 May 1992 *see the whole document* --- -/-	14-16 1-6,13

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

\* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"Z" document member of the same patent family

Date of the actual completion of the international search

10 December 1997

Date of mailing of the international search report

11. 02. 98

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentkan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Fort, M

**This Page Blank (uspto)**

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/EP 97/04795

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DE 36 15 711 A (HOECHST AG) 17 September 1987	14-16
Y	*see the whole document*	1-6,13
X	EP 0 475 392 A (ISHIHARA SANGYO KAISHA) 18 March 1992	14-16
Y	*see the whole document*	1-6,13
X	EP 0 462 585 A (ISHIHARA SANGYO KAISHA) 27 December 1991	14-16
Y	*see the whole document*	1-6,13
X	WO 89 04607 A (MTA NOVENYVEDELM KUTATOINTEZETE) 1 June 1989	14-16
Y	see example 1	1-6,13
Y	EP 0 409 815 A (MONSANTO COMPANY) 23 January 1991 cited in the application * see the whole document*	1,3,5,13
Y	EP 0 257 542 A (HOECHST AG) 2 March 1988 cited in the application *see the whole document*	1-6,13

**this Page Blank (uspto)**

# INTERNATIONAL SEARCH REPORT

International application No.

PCT/EP 97/ 04795

## Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:  

(b) (1) (2) (3) (4) (5) (6) (7) (8) (9) (10) (11) (12) (13) (14) (15) (16) (17) (18) (19) (20) (21) (22) (23) (24) (25) (26) (27) (28) (29) (30) (31) (32) (33) (34) (35) (36) (37) (38) (39) (40) (41) (42) (43) (44) (45) (46) (47) (48) (49) (50) (51) (52) (53) (54) (55) (56) (57) (58) (59) (60) (61) (62) (63) (64) (65) (66) (67) (68) (69) (70) (71) (72) (73) (74) (75) (76) (77) (78) (79) (80) (81) (82) (83) (84) (85) (86) (87) (88) (89) (90) (91) (92) (93) (94) (95) (96) (97) (98) (99) (100)
2. ☐ Claims Nos.:  
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

## Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. Claims 1-6 (partially), 13-16 (partially)
  2. Claims 1-4 (partially), 13-14 (partially), 16 (partially)
  3. Claims 1-4 (partially), 13-16 (partially)
  4. Claims 1-6 (partially), 13-16 (partially)
- See annex for continuation

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Claims 1-6 (partially), 13-16 (partially)

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

**This Page Blank (uspto)**

# INTERNATIONAL SEARCH REPORT

International Application No. PCT/ EP 97/04795

## FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

5. Claims 1-2 (partially), 7-8, 13-16 (partially)
6. Claims 1-2 (partially), 9-10, 13-16 (partially)
7. Claims 1-4 (partially), 11-12, 13-16 (partially)
8. Claims 1 (partially), 3 (partially), 13-16 (partially)
9. Claims 1-6 (partially), 13-16 (partially)
10. Claims 1-4 (partially), 13-16 (partially)

**This Page Blank (uspto)**



# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP 97/04795

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 9625043 A	22-08-96	AU 4664896 A CA 2211971 A EP 0809436 A	04-09-96 22-08-96 03-12-97
WO 9634528 A	07-11-96	FR 2733668 A AU 5717796 A	08-11-96 21-11-96
WO 9208353 A	29-05-92	AU 8848791 A CA 2096115 A EP 0557308 A JP 6502401 T MX 9102032 A RU 2086127 C US 5599769 A	11-06-92 14-05-92 01-09-93 17-03-94 01-01-93 10-08-97 04-02-97
DE 3615711 A	17-09-87	AU 605484 B AU 7264087 A CA 1291344 A EP 0252237 A EP 0412577 A JP 2110567 C JP 8018938 B JP 62267211 A JP 2688341 B JP 9151105 A ZA 8703301 A	17-01-91 12-11-87 29-10-91 13-01-88 13-02-91 21-11-96 28-02-96 19-11-87 10-12-97 10-06-97 02-11-87
EP 0475392 A	18-03-92	AT 135528 T AU 637717 B AU 8370691 A BE 1005202 A BG 60084 A CN 1059828 A,B DE 69118067 D DE 69118067 T ES 2084741 T FR 2666723 A HR 921164 A HU 209758 B IL 99462 A	15-04-96 03-06-93 19-03-92 25-05-93 15-10-93 01-04-92 25-04-96 05-09-96 16-05-96 20-03-92 28-02-97 28-10-94 12-09-96

**This Page Blank (uspto)**

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP 97/04795

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
EP 0475392 A		IT 1249697 B	09-03-95
		JP 5070313 A	23-03-93
		LT 3179 B	27-02-95
		LV 10156 A,B	20-10-94
		SI 9111510 A	31-08-97
		RU 2035143 C	20-05-95
		US 5434123 A	18-07-95
-----			
EP 0462585 A	27-12-91	JP 4235106 A	24-08-92
		AT 133032 T	15-02-96
		BG 60086 A	15-10-93
		CN 1058132 A,B	29-01-92
		DE 69116445 D	29-02-96
		DE 69116445 T	27-06-96
		ES 2082046 T	16-03-96
		HR 921169 A	31-08-95
		IL 98408 A	31-07-95
		SI 9111083 A	30-06-97
		TR 25377 A	01-03-93
		US 5391539 A	21-02-95
		LT 300 A,B	25-08-94
		LV 10157 A,B	20-10-94
		RU 2025974 C	09-01-95
-----			
WO 8904607 A	01-06-89	NONE	
-----			
EP 0409815 A	23-01-91	US 5310667 A	10-05-94
		AU 640179 B	19-08-93
		AU 6638190 A	18-04-91
		CA 2059266 A	18-01-91
		EP 0483287 A	06-05-92
		WO 9104323 A	04-04-91
-----			
EP 0257542 A	02-03-88	DE 3628747 A	25-02-88
		DE 3642829 A	05-05-88
		DE 3700313 A	21-07-88
		AU 604743 B	03-01-91
		AU 7731887 A	19-05-88
		CA 1337597 A	21-11-95
		DE 3701623 A	04-08-88

**This Page Blank (uspto)**

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP 97/04795

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
EP 0257542 A		DE 3737918 A	02-03-89
		DE 3778792 A	11-06-92
		DK 437887 A	24-02-88
		FI 100251 B	31-10-97
		JP 3103193 A	30-04-91
		JP 2065844 C	24-06-96
		JP 7097994 B	25-10-95
		JP 63071183 A	31-03-88
		JP 7147985 A	13-06-95
		JP 9107981 A	28-04-97
		US 5637489 A	10-06-97
		US 5276268 A	04-01-94
		US 5273894 A	28-12-93
		ZA 8706210 A	23-02-88

**This Page Blank (uspto)**